

HYODO et al  
Appl. No. 09/437,239

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (CANCELLED)
2. (CANCELLED)
3. (CANCELLED)
4. (CANCELLED)
5. (CANCELLED)
6. (CANCELLED)
7. (CANCELLED)
8. (CANCELLED)

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9. (Currently Amended) A reproducing apparatus for reproducing multiplexed coded data and control data from a recording medium, the multiplexed coded data comprising coded audio-data and coded video-data and being recorded as a plurality of separate data-packs, the control data being recorded separately from the multiplexed coded data, said reproducing apparatus comprising:

a recording medium controller for reading the multiplexed coded data and control data; and

a coded data control section for controlling the reproducing of the multiplexed coded data by controlling the recording medium controller based on the control data;

wherein the control data includes key-frame location information, the key-frame being at least one of an I-frame and P-frame, the key-frame location information including information on a head position of a data-pack including a head of the coded video-data of the key-frame or a head of the coded audio-data corresponding to the key-frame; and

said reproducing apparatus further comprises a coded data control portion including a sequence table memory area and a key frame table memory area,

wherein the control data in said sequence table memory area includes ~~the~~ an order of reproduction sequences,

wherein the control data in said key frame table memory area indicates the location of key frame data.

10. (Previously Presented) A reproducing apparatus as defined in claim 9, wherein the key-frame location information also includes information on a head or a tail of coded video-data of the key-frame.

11. (CANCELLED)

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12. (Currently Amended) A recording apparatus for recording multiplexed coded data and control data to a recording medium, the multiplexed coded data comprising coded audio-data and coded video-data as a plurality of separate data-packs, the control data being recorded separately from the multiplexed coded data, said recording apparatus comprising:

a recording medium controller for recording the multiplexed coded data and control data; and

a coded data control section for controlling the generation of the control data according to the multiplexed coded data to be recorded to the recording medium;

wherein the control data includes key-frame location information, the key-frame being at least one of an I-frame and P-frame, the key-frame location information including information on a head position of a data-pack including a head of the coded video-data of the key-frame or a head of the coded audio-data corresponding to the key-frame; and

said recording apparatus further comprises a coded data control portion including a sequence table memory area and a key frame table memory area,

wherein the control data in said sequence table memory area includes ~~the~~ an order of reproduction sequences,

wherein the control data in said key frame table memory area indicates the location of key frame data.

13. (Previously Presented) A recording apparatus as defined in claim 12, wherein the key-frame location information also includes a head or a tail of the coded video-data of the key-frame.

14. (CANCELLED)